JC03 Rec'd PCT/PTO 02 MAY 2009

PTO-1390 (Rev. 02-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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TRANSMITTAL LETTER TO	ATTORNEY'S DOCKET NUMBER 20030016								
DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION AIO (IEt known, see 37 CFR 1.5)							
US2004/002478	INTERNATIONAL FILING DATE 29 JAN 2004	PRIORITY DATE CLAIMED 03 FEB 2003							
TITLE OF INVENTION									
APPLICANT(S) FOR DO/EO/US									
Leonard A. Pomeranz Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:									
This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.									
2. This is a SECOND or SUBSEQUENT s	This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.								
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.									
4. X The US has been elected (Article 31).	X The US has been elected (Article 31).								
5. 😦 A copy of the International Application	A copy of the International Application as filed (35 U.S.C. 371(c)(2))								
a. is attached hereto (required	a. is attached hereto (required only if not communicated by the International Bureau).								
b. x has been communicated by	b. x has been communicated by the International Bureau.								
c. is not required, as the applic	cation was filed in the United States Receivi	ng Office (RC/US).							
6. An English language translation of the	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).								
a. is attached hereto.	a. is attached hereto.								
b. has been previously submit	b. has been previously submitted under 35 U.S.C. 154(d)(4).								
7. Amendments to the claims of the Inte	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))								
a. are attached hereto (requi	a. are attached hereto (required only if not communicated by the International Bureau).								
b. have been communicated	by the International Bureau.	÷							
c. have not been made; how	c. have not been made; however, the time limit for making such amendments has NOT expired.								
d. X have not been made and v	d. X have not been made and will not be made.								
8. An English language translation of the	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).								
9. X An oath or declaration of the inventor	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).								
An English language translation of the Article 36 (35 U.S.C. 371(c)(5)).	An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).								
Items 11 to 20 below concern document(s	Items 11 to 20 below concern document(s) or information included:								
11. An Information Disclosure Statement	under 37 CFR 1.97 and 1.98.								
12. An assignment document for recording	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.								
13. A preliminary amendment.	A preliminary amendment.								
14. An Application Data Sheet under 37 (An Application Data Sheet under 37 CFR 1.76.								
15. A substitute specification.	A substitute specification.								
16. A power of attorney and/or change of	A power of attorney and/or change of address letter.								
17. A computer-readable form of the sequ	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.								
18. A second copy of the published Interr	A second copy of the published International Application under 35 U.S.C. 154(d)(4).								
19. A second copy of the English language	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).								
20. Other items or information:	Other items or information:								

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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The following fees fixed stein studemed 21. EX Basic national fee	U.S. APPLICATI	S. APPLICATION NO. (if known, see 37 CFR 1.5) US 2004/002478			ATTORNEY'S DOCKET NUMBER 20030016			
21. El Basic national fee	The following fees have been substitled				CALCULATIONS	PTO LISE ONLY		
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)(4)	_				FIGUSEONET			
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority. TOTAL OF 21, 22 and 23 =	If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)					\$ 200.00		
TOTAL OF 21, 22 and 23 = \$ 600.00 Additional fee for specification and drawings filled in paper over 100 sheets (excluding sequence stating or computer program listing filled in an electronic medium). The fee is \$220 for each additional 50 sheets of paper or fraction thereof. Total Sheets	Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority					s 100.00		
Additional fee for specification and damings filed in paper over 100 sheets (excluding sequence listing or computer program listing fet in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction FATE						e 600.00		
Total Sheets Extra Sheets Number of each additional 50 or fraction thereof (round up to a whole number) x \$250 \$ Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)). CLAIMS NUMBER FILED NUMBER EXTRA RATE \$ Total claims 18 -20 = 0 x \$50 \$ Independent claims 4 -3 = 1 x \$200 \$ \$200.00 MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$ MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$	Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium).							
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)). CLAIMS NUMBER FILED NUMBER EXTRA RATE \$ Total claims 18 - 20 = 0			Number of eac	h additional 50 or fraction	RATE			
Claimed priority date (37 CFR 1.492(h)). CLAIMS NUMBER FILED NUMBER EXTRA RATE \$	- 100 =	/50 =			x \$250	\$		
Total claims				aration later than 30 months fr	om the earliest	\$		
Independent claims	CLAIMS	NUME	ER FILED	NUMBER EXTRA	RATE	\$		
MULTIPLE DEPENDENT CLAIM(S) (if applicable) TOTAL OF ABOVE CALCULATIONS = \$ 800.00 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = \$ 800.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$ 800.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31), \$40.00 per property TOTAL FEES ENCLOSED = \$ 800.00 Amount to be refunded: \$ Amount to be charged: \$ 800.00 A Acheck in the amount of \$	Total claims		18 - 20 =	0	x \$ 50	\$		
MULTIPLE DEPENDENT CLAIM(S) (if applicable) TOTAL OF ABOVE CALCULATIONS = \$ 800.00 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = \$ 800.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$ 800.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31), \$40.00 per property TOTAL FEES ENCLOSED = \$ 800.00 Amount to be refunded: \$ Amount to be charged: \$ 800.00 A Acheck in the amount of \$	Independent clain	ns	4 -3=	1	x \$200	\$ 200.00		
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. SUBTOTAL = \$800.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$800.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property	MULTIPLE DEPE	NDENT CLAIM(S	6) (if applicable)		+ \$360	\$		
SUBTOTAL = \$800.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$800.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$800.00 Amount to be refunded: Amount to be charged: Amount to be charged: Amount to be charged: A check in the amount of \$ to cover the above fees is enclosed. Description: The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 190130. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 190130. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be come public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Daniel J. Long BAE Systems 65 Spit Brook Road, NHQ01-719 Nashua, NH 03060						\$ 800.00		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$800.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property						9/00 00		
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Amount to be refunded: Amount to be refunded: Amount to be charged: S 800.00 a. A check in the amount of \$					\$			
a. A check in the amount of \$				TOTAL F	EES ENCLOSED =	\$ 800.00		
a. A check in the amount of \$						\$		
b. Please charge my Deposit Account No.190130 in the amount of \$ 800.00 to cover the above fees. A duplicate copy of this sheet is enclosed. c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 190130 A duplicate copy of this sheet is enclosed. d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Daniel J. Long BAE Systems 65 Spit Brook Road, NHQ01-719 Nashua, NH 03060							\$ 800.00	
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Daniel J. Long BAE Systems 65 Spit Brook Road, NHQ01-719 Nashua, NH 03060 SIGNATURE Daniel J. Long NAME								
Daniel J. Long BAE Systems 65 Spit Brook Road, NHQ01-719 Nashua, NH 03060 Daniel J. Long NAME	SEND ALL CORRESPONDENCE TO:							
BAE Systems 65 Spit Brook Road, NHQ01-719 Nashua, NH 03060 Daniel J. Long NAME	Parial I I I I						·	
Nashua, NH 03060	BAE Systems Daniel			I. Long				
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REGISTRATION NUMBER	nasnua, l	29,404				ON NUMBER		

10/533321 JC17 Rec'd PCT/PTO 02 MAY 2005

EXPRESS MAIL CERT: <u>EV723257335ÙS</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Leonard A. Pomeranz

Filed:

Herein

Atty. Dkt. No: 20030016

For:

Thulium Laser Pumped Mid-IR Source With Broadbanded Output

CERTIFICATE OF MAILING 37 CFR 1.10: I certify that this correspondence is being deposited on the below date with the U.S. Postal Service with sufficient postage as EXPRESS MAIL addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date:

5.2-05

Signed:

Slove Wasciano

Gloria Abbasciano

Dear Sir:

LETTER OF TRANSMITTAL

Submitted herewith pursuant to 35 USC 371, is a US National Stage Patent Application of International Application No. PCT/US2004/002478.

PAYMENT: Authorization is hereby given to charge filing fee to Deposit Account 190130. All necessary fees relating to the attached submittal, if any, are intended to be included. However, the Office is hereby authorized to charge any deficiency or credit any overpayment in the fees to deposit account 190130.

Respectfully submitted,

Daniel J. Long, Reg. No. 29,404

Customer Number 22500

Correspondence Address:

BAE SYSTEMS

65 Spit Brook Road, NHQ1-719

Nashua, NH 03060

Tel. No. (603) 885-2643

Fax. No. (603) 885-2167